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2 CONTRACTS EP-W-16	NO.	3, AWARD/	4. ORDER NUMBER				. SOLICITATION NUMBER		6. SOLICITATION
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Kemp F	łowell - Proje	ect Manager	6/29/17		1 C. Fox		יייייין אי פאלייייייי		29/2017
	OR LOCAL REPRODUCTION IS NOT USABLE	ON						FORM 1449 (REV. 2) by GSA - FAR (48 CF	2012)

19. ITEM NO.		20. SCHEDULE OF SUPPLIES	S/SERVICES	i.		21. QUANTITY	22. UNIT	23. UNIT PI	RICE	24. AMOUNT
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	STATES OF SECTION SALES	exceeds at its ow			.110					
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	Puchalski.	Melissa@epa.gov								
	711	30D -								
	Alternate (cok: r, (202) 343-9183,	Macv.	.Tavlor@epa.	aov					
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	TOCOR: Mel:	issa Puchalski								
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CONTINUATION SHEET	EP-W-16-015/1004	3	3

NAME OF OFFEROR OR CONTRACTOR

EM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	EFY: 18 Fund: C Budget Org: 58D5 Program (PRC):				
	102A45 Budget (BOC): 2505 DCN - Line ID: 1758DC7047-001				
	Funding Flag: Partial				
	Funded: \$50,000.00				

ATTACHMENT A

STATEMENT OF WORK

Title: Tribal Base Operation of the Network

Contractor: Amec Foster Wheeler

Contract #: EP-W-16-015

Task Order #: 1004

Period of Performance: 7/9/2017 to 7/8/2018

EPA Key Personnel

Task Order Project Officer (TOPO)/Contract Level Project Officer (PO):

Melissa Puchalski Clean Air Markets Division (OAP/OAR/CAMD) 1200 Pennsylvania Ave., NW Mail Code 6204M

Washington, DC 20460 *phone:* (202) 343-9882

email: puchalski.melissa@epa.gov

Alternate TOPO:

Taylor Macy Clean Air Markets Division (OAP/OAR/CAMD) 1200 Pennsylvania Ave., NW Mail Code 6204M Washington, DC 20460

phone: (202) 343-9183 email: macy.taylor@epa.gov

Contracting Officer (CO):

Mike Fox

Contracting Officer

Administrative Contract Service Center

1200 Pennsylvania Ave N.W.

Mail Code 3803R

Washington DC 20460

phone: (202) 564-2550

email: fox.michael@epa.gov

STATEMENT OF WORK

I. INTRODUCTION

The Clean Air Status and Trends Network (CASTNET) is a long-term environmental monitoring network that measures changes in ambient air quality and assesses atmospheric deposition over broad geographic regions of the U.S. (https://www.epa.gov/castnet). Operating since 1987, CASTNET has evolved into a robust regional monitoring program which currently consists of approximately 95 monitoring stations nationwide. The Environmental Protection Agency (EPA) coordinates the operation of the network in cooperation with numerous federal, tribal, state and local partners.

The primary monitoring objectives of CASTNET are to:

- Provide high quality data on atmospheric deposition, rural ground level ozone and other forms of atmospheric pollution;
- Support the primary and secondary ozone NAAQS and provide data on NAAQS compliance in rural areas;
- Monitor the status and trends in regional air quality and atmospheric deposition;
- Assess and report on geographic patterns and long-term, temporal trends in ambient air pollution and atmospheric deposition;
- Improve our understanding of PM and ozone formation;
- Validate and improve atmospheric models;
- Provide data for health-based research and epidemiology studies;
- Assess the effectiveness of EPA's emission reduction programs; and
- Support science and ecosystem studies.

CASTNET sites measure weekly average concentrations of sulfate (SO₄²⁻), nitrate (NO₃⁻), ammonium (NH₄⁺), sulfur dioxide (SO₂), nitric acid (HNO₃), chloride (Cl⁻) and the base cations (Na⁺, K⁺, Mg²⁺and Ca²⁺) using a 3-stage filter pack. In addition, each site may make ancillary measurements, including hourly ozone (O₃), hourly meteorology, ammonia (NH₃) gas using passive devices, and trace-level gases. Trace-level gas monitors include reactive oxidized nitrogen (NOy), nitric oxide (NO), sulfur dioxide (SO₂) and carbon monoxide (CO). CASTNET O₃, meteorological, and trace gas measurements follow the requirements in the Code of Federal Regulations (CFR) and EPA's Quality Assurance Handbook.

II. PURPOSE

The primary purpose of this task order is to provide for routine activities and provisions associated with operating the CASTNET base program at Tribal monitoring sites. All tasks shall be performed in accordance with the contract's Statement of Work.

Tasks performed under this task order will cover the operation of all CASTNET tribal monitoring sites, excluding all sites covered under Task Order 103.

III. CONTRACT LEVEL STATEMENT OF WORK REFERENCE

The tasks to be performed under this task order are consistent with the activities authorized in CLINs 1 through 21 of the contract's Statement of Work.

IV. TECHNICAL DIRECTION

1. Prepare a Proposal

The Contractor shall prepare a Task Order Technical and Cost Proposal in accordance with the terms and conditions of contract clauses B.2 entitled Fixed Rates for Services – Indefinite delivery/Indefinite quantity contract.

2. Base Operations

The contractor shall perform the tasks and subtasks listed in the SOW for Task Order 4 as delineated in the CASTNET V contract SOW and Amec Foster Wheeler's proposal. Descriptions of the technical approach and methods are found in the CASTNET QAPP v 9.0 and Amec Foster Wheeler's technical proposal. The number of applicable sites, units and estimated hours for the tasks and CLINs, as described in the contract's SOW, that shall be delivered are as follows:

CLIN	DESCRIPTION	SITES	UNITS	HOURS
2	Dry Dep Filterpack w/ operator	1	12	70
3	Dry Dep Filterpack w/o operator	5	60	349
4	Ozone Monitoring w/ operator	1	12	70
5	Ozone Monitoring w/o operator	2	21	123
7	Meteorology w/o operator	1	12	6
14	Filter Media Analysis	6	355	0
16	Operation of an NADP AMoN site collocated with CASTNET	1	12	2
	TOTAL HOURS			636

Attachment 1 describes which tasks and CLINs shall be performed at each site. The table above is a summary of Attachment 1. The table above shows SITE/YEAR as the number of CLINs ordered for that site per *12-months*. The UNIT is the number of site-months ordered for each CLIN.

V. DELIVERABLES AND SCHEDULE

1. Proposal

The contractor shall deliver a Task Order Technical and Cost Proposal in accordance with clause B.7 Task Order Ordering Procedures of the contract. The proposal shall be submitted 10 days after receipt of the SOW.

2. Monthly Progress Report

The contractor shall prepare and submit a monthly progress report by the 15th of each month summarizing the progress made, issues encountered or expected, work planned for the next reporting period and costs. These reports shall comply with contract clauses F.3 Reports of Work and F.5 Monthly Progress Report. Reports shall be delivered electronically.

3. Additional Deliverables

The contractor shall deliver the following reports electronically (as required under Task Order 0103) and will include data from the Tribal monitoring sites under this Task Order. Duplicate reports shall not be submitted.

Daily Data Submittal

Monthly Data Submittal

Quarterly Data Submittal

Quarterly Data Report

Annual Report

QA Quarterly Report

QA Annual Report

QA Annual Report

QA Annual Report

QA Quarterly Report

Annual Report

QA Quarterly Report

Annual Report

Distribution of Deliverables:

Addressee	Copies
EPA Contracting Officer (Mike Fox)	1
EPA Project Officer (Melissa Puchalski)	1
EPA Alternate (Taylor Macy)	1

Attachment 1. Matrix of CLINs by CASTNET Site ID

OITE ID			CL	INs			
SITE_ID	2	3	4	5	7	14	16
ALC188	12		12			59.11	12
CHE185		12			12	59.11	
KIC003		12				59.11	
NPT006		12		12		59.11	
RED004		12				59.11	
SAN189		12		12		59.11	
total	12	60	12	24	12	355	12
counts	1	5	1	2	1	6	1

Total Funding/Obligation Amounts						
Period	Previous Amount	This Action	Amount			
Base Period	-	\$50,000.00	\$50,000.00			
Total	E	\$50,000.00	\$50,000.00			

Total Task Order Ceiling							
Period	Previous Amount	This Action	Amount				
Base Period	ı.	\$149,496.19	\$149,496.19				
Total	ı	\$149,496.19	\$149,496.19				

AMENDMENT OF SOLICITATION/MODIFICA	ATION OF CONTRA	ст	CONTRACT ID CODE	PAGE	OF PAGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REC	L RUISITION/PURCHASE REQ. NO.	5. PROJECT	NO. (If applicable)
001	See Block 16	see see	Schedule	EP-W-1	5-015
6. ISSUED BY CODE	HPOD	7. ADI	MINISTERED BY (If other than Item 6)	CODE	
HPOD US Environmental Protection William Jefferson Clinton Bu 1200 Pennsylvania Avenue, N. Mail Code: 3803R	ilding				
Washington DC 20460 8. NAME AND ADDRESS OF CONTRACTOR (No., street	county State and 7IP Code	l loa	. AMENDMENT OF SOLICITATION NO.		
AMEC ENVIRONMENT & INFRASTRUCATION (No. street Attn: LISA DWYER AMEC FOSTER WHEELER ENVIRONMI 751 ARBOR WAY, STE 180 (b)(4) BLUE BELL PA 194221960	CTURE, INC.	(X) 9B X 10 E I	A. MODIFICATION OF CONTRACT/ORDER $P=W-16-015$	R NO.	
CODE 038086125	FACILITY CODE	0	6/28/2017		
	11. THIS ITEM ONLY	APPLIES TO AMENDA	MENTS OF SOLICITATIONS		
separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF C virtue of this amendment you desire to change an offer reference to the solicitation and this amendment, and 12. ACCOUNTING AND APPROPRIATION DATA (If requires See Schedule	to the solicitation and am DFFERS PRIOR TO THE r already submitted, such is received prior to the op uired)	nendment numbers. FA HOUR AND DATE SPE In change may be made ening hour and date sp Net Inc	CIFIED MAY RESULT IN REJECTION OF by telegram or letter, provided each telegran ecified.	TO BE RECEIVE YOUR OFFER If m or letter makes \$81,869.9	DAT by
			SES SET FORTH IN ITEM 14 ARE MADE IN		
	CT/ORDER IS MODIFIED I IN ITEM 14, PURSUAN	TO REFLECT THE AD T TO THE AUTHORITY	MINISTRATIVE CHANGES (such as change OF FAR 43.103(b).		
D. OTHER (Specify type of modification					
X FAR 52.232-22 Limita	tion of Funds	S			
E. IMPORTANT: Contractor 🗵 is not.	is required to sign thi	s document and return	copies to the issu	uing office.	
14. DESCRIPTION OF AMENDMENT/MODIFICATION (DUNS Number: 038086125					- 6
The purpose of this modifica \$81,869.95 to Task Order# 10 currently \$131,869.95. This Summary of Amounts and Ceili TOCOR: Melissa Puchalski LIST OF CHANGES: Reason for Modification: Fu	04. The total order is incr ngs and Attac	obligated/cementally fehment B is	funded ceiling amount unded as detailed in A	for this Attachmen	order is
Obligated Amount for this Mo	dification: \$	881,869.95			
New Total Obligated Amount f	or this Award	d: \$131,869.	95		
Incremental Funded Amount ch	anged: from	ı			
Continued					
Except as provided herein, all terms and conditions of the 15A. NAME AND TITLE OF SIGNER (Type or print)	e document referenced ir	16A.	NAME AND TITLE OF CONTRACTING OF		
		Mic	chael C. Fox		
15B. CONTRACTOR/OFFEROR	15C. DA	4	UNITED STATES OF AMERICA	EL FETRONIC S:GNATURE	16C. DATE SIGNED 07/06/2017
(Signature of person authorized to sign)			(Signature of Contracting Officer)		

 CONTINUATION SHEET
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 OF

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NAME OF OFFEROR OR CONTRACTOR

(B) \$50,000.00 to \$131,869.95 CHANGES FOR LINE ITEM NUMBER: 1 Obligated Amount for this modification: \$81,869.95 Incremental Funded Amount changed from \$50,000.00	× **	(D)	(E)	(F)
CHANGES FOR LINE ITEM NUMBER: 1 Obligated Amount for this modification: \$81,869.95				
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Incremental Funded Amount changed from \$50,000.00				
to \$131,869.95				
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Account code:				
17-E1-58D1-102A17-2505-1758DC7090-002				
Beginning FiscalYear 17				
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Payment Address:				
RTP Finance Center				
US Environmental Protection Agency				
RTP-Finance Center (AA216-01)				
109 TW Alexander Drive				
www2.epa.gov/financial/contracts				
Durham NC 27711				
NEW ACCOUNTING CODE ADDED:				
Account code:				
16-E1-58D5-102A04-2505-1758DC7103-001				
Beginning FiscalYear 16				
Ending Fiscal Year				
Fund (Appropriation) E1				
Budget Organization 58D5				
Program (PRC) 102A04				
Budget (BOC) 2505				
Job # (Site/Project)				
Cost Organization				
DCN-LineID 1758DC7103-001				
Quantity: 0				
-				
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	US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 NEW ACCOUNTING CODE ADDED: Account code: 16-E1-58D5-102A04-2505-1758DC7103-001 Beginning FiscalYear 16 Ending Fiscal Year Fund (Appropriation) E1 Budget Organization 58D5 Program (PRC) 102A04 Budget (BOC) 2505 Job # (Site/Project) Cost Organization DCN-LineID 1758DC7103-001	Fund (Appropriation) E1 Budget Organization 58D1 Program (PRC) 102A17 Budget (BCC) 2505 Job # (Site/Project) Cost Organization DCN-LineID 1758DC7090-002 Quantity: 0 Amount: \$8,000.00 Percent: 5.35131 Subject To Funding: N Payment Address:	Fund (Appropriation) E1 Budget Organization 58D1 Program (PRC) 102A17 Budget (BoC) 2505 Job # (Site/Project) Cost Organization DCN-LineID 1758DC7090-002 Quantity: 0 Amount: \$8,000.00 Percent: 5.35131 Subject To Funding: N Payment Address:	Fund (Appropriation) E1 Budget Organization 58D1 Program (PRC) 102A17 Budget (BOC) 2505 Job # (Site/Project) Cost Organization DCN-LineID 1758DC7090-002 Quantity: 0 Amount: \$8,000.00 Fercent: 5.35131 Subject To Funding: N Payment Address:

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	109 TW Alexander Drive			
	www2.epa.gov/financial/contracts			
	Durham NC 27711			
	Durnam NC 27/11			
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	Account code:			
	17-18-C-58D5-102A45-2505-1758DC7092-001			
	Beginning FiscalYear 17			
	Ending Fiscal Year 18			
	Fund (Appropriation) C			
	Budget Organization 58D5			
	Program (PRC) 102A45			
	Budget (BOC) 2505			
	Job # (Site/Project)			
	Cost Organization			
	DCN-LineID 1758DC7092-001			
	Quantity: 0			
	Amount: \$50,000.00			
	Percent: 33.44567			
	Subject To Funding: N			
	Payment Address:			
	RTP Finance Center			
	US Environmental Protection Agency			
	RTP-Finance Center (AA216-01)			
	109 TW Alexander Drive			
	www2.epa.gov/financial/contracts			
	Durham NC 27711			
	Period of Performance: 07/09/2017 to 07/08/2018			
		1 1 1		

Total Funding/Obligation Amounts						
Period	Previous Amount	This Action	Amount			
Base Period	\$50,000.00	\$81,869.95	\$131,869.95			
Total	\$50,000.00	\$81,869.95	\$131,869.95			

Total Task Order Ceiling						
Period	Previous Amount	This Action	Amount			
Base Period	\$149,496.19	ť	\$149,496.19			
Total	\$149,496.19	-	\$149,496.19			

AMENDMENT OF SOLICITATION/MODIFICA	ATION OF CONTRA	СТ	CONTRACT ID CODE	PAGE	OF PAGES
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002	See Block 16	C PR-C	AR-17-01209	EP-W-1	5-015
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CODE 038086125	FACILITY CODE	l o	6/28/2017		
	11. THIS ITEM ONLY		MENTS OF SOLICITATIONS		
separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF C virtue of this amendment you desire to change an offereference to the solicitation and this amendment, and 12. ACCOUNTING AND APPROPRIATION DATA (If requise See Schedule	to the solicitation and am DEFERS PRIOR TO THE r already submitted, such is received prior to the ope uired)	endment numbers. FA HOUR AND DATE SPE change may be made ening hour and date sp Net Inc	ECIFIED MAY RESULT IN REJECTION OF \ by telegram or letter, provided each telegran ecified.	TO BE RECEIVED YOUR OFFER If m or letter makes \$16,862.0	DAT by
			GES SET FORTH IN ITEM 14 ARE MADE IN		
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D. OTHER (Specify type of modification	and authority)				
X FAR 52.232-22 Limita	tion of Funds	3			
E. IMPORTANT: Contractor	is required to sign this	s document and return	copies to the issu	uing office.	
14. DESCRIPTION OF AMENDMENT/MODIFICATION (DUNS Number: 038086125 The purpose of this modifica	Organized by UCF section	n headings, including s	solicitation/contract subject matter where fea	sible.)	
\$16,862.00 to Task Order# 10 currently \$148,731.95. This summary of Amounts and Ceili TOCOR: Melissa Puchalski LIST OF CHANGES: Reason for Modification: Fu	04. The total order is incr ngs and Attac	obligated/ ementally f hment B is	funded ceiling amount unded as detailed in A	for this Attachmen	order is
Obligated Amount for this Mo-					
New Total Obligated Amount f			95		
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Except as provided herein, all terms and conditions of th	e document referenced in	Item 9 A or 10A, as he	eretofore changed, remains unchanged and i	in full force and e	ffect.
15A. NAME AND TITLE OF SIGNER (Type or print)		-	NAME AND TITLE OF CONTRACTING OF	FICER (Type or p	print)
	1		chael C. Fox		
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DA'	41	UNITED STATES OF AMERICA (Signature of Contracting Officer)	EL FOTRONIC S:GNATURE	16C. DATE SIGNED 08/31/2017
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NAME OF OFFEROR OR CONTRACTOR

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
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,	\$131,869.95 to \$148,731.95		l '	, - <i>i</i>	(-/
	CHANGES FOR LINE ITEM NUMBER: 1				
	Obligated Amount for this modification: \$16,862.00				
	Incremental Funded Amount changed from				
	\$131,869.95 to \$148,731.95				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	16-E1D-58D5-102A17-2505-1758DC7116-001				
	Beginning FiscalYear 16				
	Ending Fiscal Year				
	Fund (Appropriation) E1D				
	Budget Organization 58D5				
	Program (PRC) 102A17				
	Budget (BOC) 2505				
	Job # (Site/Project)				
	Cost Organization				
	DCN-LineID 1758DC7116-001				
	Amount: \$16,862.00				
	Subject To Funding: N				
	Payment Address:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	Period of Performance: 07/09/2017 to 07/08/2018				
			1		
CN 7540 04 45			1		ODTIONAL FORMAGO /4 CO

Total Funding/Obligation Amounts						
Period	Previous Amount	This Action	Amount			
Base Period	\$131,869.95	\$16,862.00	\$148,731.95			
Total	\$131,869.95	\$16,862.00	\$148,731.95			

Total Task Order Ceiling						
Period	Previous Amount	This Action	Amount			
Base Period	\$149,496.19	ť	\$149,496.19			
Total	\$149,496.19	-	\$149,496.19			

AMENDME	NT OF SOLICITATION/MODIFICA	ATION OF C	ONTRACT		1. CONTRACT ID CODE	PA	GE OF PAGES
2. AMENDMEN	IT/MODIFICATION NO.	3. EFFECTIVE	DATE	4. REC	L QUISITION/PURCHASE REQ. NO.	5. PROJE	∠ ECT NO. (If applicable)
003		See Bloo	ck 16C	PR-C	AR-18-00695	EP-W-	-15-015
6. ISSUED BY	CODE	HPOD		7. AD	MINISTERED BY (If other than Item 6)	CODE	
HPOD						L	
	conmental Protection						
	Jefferson Clinton Bu	_					
	nnsylvania Avenue, N. de: 3803R	w.					
	on DC 20460						
8. NAME AND	ADDRESS OF CONTRACTOR (No., street	, county, State and	ZIP Code)	(x) 9A	AMENDMENT OF SOLICITATION NO.		-
AMEC ENV	IRONMENT & INFRASTRUC	יייוופר דו	JC I				
	SA DWYER	J1010L, 11		9B	DATED (SEE ITEM 11)		
AMEC FOS	TER WHEELER ENVIRONM	ENT & I					
	R WAY, STE 180		-	10.	A. MODIFICATION OF CONTRACT/ORDER NO	າ.	
(b)(4)				× Ei	?-W-16-015		
BLUE BEL	L PA 194221960				004		
		T=+ 011 (==) / 00=			B. DATED (SEE ITEM 13)		
CODE 03	8086125	FACILITY COD	DE	0	6/28/2017		
		11. THIS ITI	M ONLY APPLIES TO A	MENDN	IENTS OF SOLICITATIONS		
separate lett THE PLACE virtue of this reference to	er or telegram which includes a reference DESIGNATED FOR THE RECEIPT OF (amendment you desire to change an offe the solicitation and this amendment, and	to the solicitatio OFFERS PRIOR r already submit is received prior	n and amendment number TO THE HOUR AND DA ted , such change may be	ers. FA TE SPE e made		BE RECE JR OFFEF r letter ma	IVED AT R If by kes
12. ACCOUNT See Sche	ING AND APPROPRIATION DATA (If requ edulle:	ıired)	Net	Inc	rease: \$7	64.24	i e
	and or en a was made with	ODIFICATION O	F CONTRACTS/ORDERS	6. IT M	ODIFIES THE CONTRACT/ORDER NO. AS DES	CRIBED I	IN ITEM 14.
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED F ORDER NO. IN ITEM 10A.	PURSUANT TO:	(Specify authority) THE	CHANG	SES SET FORTH IN ITEM 14 ARE MADE IN TH	HE CONTR	RACT
	B. THE ABOVE NUMBERED CONTRAC appropriation date, etc.) SET FORTH	CT/ORDER IS M I IN ITEM 14, PU	ODIFIED TO REFLECT I	HE AD	MINISTRATIVE CHANGES (such as changes in OF FAR 43.103(b).	n paying o	ffice,
	C. THIS SUPPLEMENTAL AGREEMEN	T IS ENTERED I	NTO PURSUANT TO AU	THORI	TY OF:		
	D. OTHER (Specify type of modification	and authority)					
Х	FAR 52.232-22 Limita	• •	Funds				
E. IMPORTANT	5_2	NC 10	o sign this document and	return	copies to the issuing	office.	
14. DESCRIPT		Organized by U	CF section headings, inc	luding s	colicitation/contract subject matter where feasible	le.)	
The purp	ose of this modifica	tion is	to obligate :	incr	emental funding in the a	amount	t of
\$50,764.	24 to this task orde	r and de	-obligate fur	ndin	g in the amount of \$50,0	0.00) from LOA
17-18-C-	58D5-102A45-2505-175	8DC7092-	001				
					total ceiling price of		,496.19 the
Contract	or is not authorized	to exce	ed. The Conti	ract	or exceeds at its own r	isk.	
	1 -11 -1 -17 -17 -17		5				10
		_			ask order is being incre		-
					is now fully-funded as		
		nts and	ceilings and	Att	achment B is hereby inco	orpora	ated (I
Continue -							
	ided herein, all terms and conditions of th ID TITLE OF SIGNER (Type or print)	e document refe	renced in Item 9 A or 10A	_	retofore changed, remains unchanged and in functions of the NAME AND TITLE OF CONTRACTING OFFICE		
IVA. NAME AN	THE OF GIGNERY (1908 OF PHILL)					ı (Type	ог ринц
				Mi	chael C. Fox		
15B. CONTRA	CTOR/OFFEROR		15C. DATE SIGNED		UNITED STATES OF AMERICA	FOTRON	16C. DATE SIGNED
3				$\int_{-1}^{1} t$	Oronicos s	S:GNATU	
(Signature of person authorized to sign)				(Signature of Contracting Officer)		

 CONTINUATION SHEET
 REFERENCE NO. OF DOCUMENT BEING CONTINUED
 PAGE
 OF

 EP-W-16-015/1004/003
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NAME OF OFFEROR OR CONTRACTOR

ITEM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	page).				
	TOCOR: Melissa Puchalski				
	LIST OF CHANGES:				
	Reason for Modification : Funding Only Action				
	Obligated Amount for this Modification: \$764.24				
	New Total Obligated Amount for this Award:				
	\$149,496.19				
	Incremental Funded Amount changed: from				
	\$148,731.95 to \$149,496.19				
	Obligated Amount for this modification: \$764.24				
	Incremental Funded Amount changed from				
	\$148,731.95 to \$149,496.19				
	CHANGES FOR ACCOUNTING CODE:				
	17-18-C-58D5-102A45-2505-1758DC7092-001				
	Amount changed from \$50,000.00 to \$0.00				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	18-19-C-58D5-000A45-2505-1858DC8042-001				
	Beginning FiscalYear 18				
	Ending Fiscal Year 19				
	Fund (Appropriation) C				
	Budget Organization 58D5				
	Program (PRC) 000A45				
	Budget (BOC) 2505				
	Job # (Site/Project)				
	Cost Organization				
	DCN-LineID 1858DC8042-001				
	Amount: \$50,764.24				
	Subject To Funding: N				
	Payment Address:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	Period of Performance: 07/09/2017 to 07/08/2018				
			ΙÍ		

Total Funding/Obligation Amounts						
Period	Previous Amount	This Action	Amount			
Base Period	\$148,731.95	\$764.24	\$149,496.19			
Total	\$148,731.95	\$764.24	\$149,496.19			

	Total Task Order Ceiling						
Period	Previous Amount	This Action	Amount				
Base Period	\$149,496.19	-	\$149,496.19				
Total	\$149,496.19	-	\$149,496.19				

AMENDMENT OF SOLICITATION/MODIFIC	CATION OF CON	ITRACT	CONTRACT ID CODE	PAGE	OF PAGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DA	ATE 4.	L REQUISITION/PURCHASE REQ. NO.	5. PROJECT	NO. (If applicable)
P00004	See Block	16C		EP-W-1	5-015
6. ISSUED BY CODE	HPOD	7.	ADMINISTERED BY (If other than Item 6)	CODE	
HPOD US Environmental Protection William Jefferson Clinton Bo 1200 Pennsylvania Avenue, N Mail Code: 3803R Washington DC 20460	uilding				
8. NAME AND ADDRESS OF CONTRACTOR (No., stree	et county State and 7IP	? Code)	9A. AMENDMENT OF SOLICITATION NO.		
AMEC ENVIRONMENT & INFRASTRU Attn: LISA DWYER AMEC FOSTER WHEELER ENVIRONM 751 ARBOR WAY, STE 180 (b)(4) BLUE BELL PA 194221960	CTURE, INC	(X)	9B. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTRACT/ORDER IEP-W-16-015 1004 10B. DATED (SEE ITEM 13)	NO.	
CODE 038086125	FACILITY CODE		06/28/2017		
	11. THIS ITEM	ONLY APPLIES TO AME	NDMENTS OF SOLICITATIONS		
☐ The above numbered solicitation is amended as set of Offers must acknowledge receipt of this amendment Items 8 and 15, and returning or separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an offereference to the solicitation and this amendment, and 12. ACCOUNTING AND APPROPRIATION DATA (If receipt of the solicitation and this amendment, and the solicitation and this amendment and the solicitation and this amendment and the solicitation and the	prior to the hour and opies of the amendme to the solicitation a OFFERS PRIOR TO er already submitted this received prior to to the opices and the prior to the prior to the prior to the opices and prior to the prior to the prior to the opices and prior to the prior to the opices and prior to t	date specified in the soli- ent; (b) By acknowledgin nd amendment numbers. THE HOUR AND DATE , such change may be m the opening hour and dat	citation or as amended, by one of the following m g receipt of this amendment on each copy of the c FAILURE OF YOUR ACKNOWLEDGEMENT TO SPECIFIED MAY RESULT IN REJECTION OF YOu ade by telegram or letter, provided each telegram e specified.	ethods: (a) By offer submitted; D BE RECEIVE DUR OFFER If	or (c) By D AT by
See Schedule		1,66 1	ecicase.	Q40 , 507	
13. THIS ITEM ONLY APPLIES TO M	MODIFICATION OF C	ONTRACTS/ORDERS. I	T MODIFIES THE CONTRACT/ORDER NO. AS D	ESCRIBED IN I	TEM 14.
A. THIS CHANGE ORDER IS ISSUED ORDER NO. IN ITEM 10A.	PURSUANT TO: (Sp	pecify authority) THE CH	ANGES SET FORTH IN ITEM 14 ARE MADE IN	THE CONTRAC	CT .
B. THE ABOVE NUMBERED CONTRA appropriation date, etc.) SET FORT C. THIS SUPPLEMENTAL AGREEMEN			E ADMINISTRATIVE CHANGES (such as changes RITY OF FAR 43.103(b). ORITY OF:	in paying office	9,
D. OTHER (Specify type of modification	n and authority)				
X FAR 52.232-22 Limita	ation of Fu	unds			
E. IMPORTANT: Contractor 🗵 is not.	is required to s	ign this document and re	turn copies to the issuit	ng office.	
14. DESCRIPTION OF AMENDMENT/MODIFICATION DUNS Number: 038086125 The purpose of this modification					7.86 from
this task order.					
TOCOR: Melissa Puchalski LIST OF CHANGES: Reason for Modification: Fur Obligated Amount for this Mo New Total Obligated Amount f Incremental Funded Amount ch \$149,496.19 to \$102,508.33	odification For this Aw	n: -\$46,987.8			
Continued					
Except as provided herein, all terms and conditions of t	he document referen	nced in Item 9 A or 10A, a	s heretofore changed, remains unchanged and in	full force and e	ffect.
15A. NAME AND TITLE OF SIGNER (Type or print)			6A. NAME AND TITLE OF CONTRACTING OFF 4ichael C. Fox	ICER (Type or p	orint)
15B. CONTRACTOR/OFFEROR	15	C. DATE SIGNED 1	6B. UNITED STATES OF AMERICA	FL FCTRONIC S:GNATURE	16C. DATE SIGNED
(Signature of person authorized to sign)			(Signature of Contracting Officer)		10/24/2018

 CONTINUATION SHEET
 REFERENCE NO. OF DOCUMENT BEING CONTINUED EP-W-16-015/1004/P00004
 PAGE 2
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NAME OF OFFEROR OR CONTRACTOR

TEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	CHANGES FOR LINE ITEM NUMBER: 1				
	Obligated Amount for this Modification: -\$46,987.86				
	Incremental Funded Amount changed from				
	\$149,496.19 to \$102,508.33				
	FOB changed from Destination to				
	CHANGES FOR ACCOUNTING CODE: 18-19-C-58D5-000A45-2505-1858DC8042-001				
	Amount changed from \$50,764.24 to \$3,776.38				
	Period of Performance: 07/09/2017 to 07/08/2018				

		ONTRACT/ORDER				ouisition N Schec			PAGE OF	3
2. GONTRACT !	NO.	R TO COMPLETE BLO	3. AWARD/	4, & JU 4, ORDER NUMBER	256	- Schee		, SOLICITATION NUMBER	1 1	8, SOLICITATION
EP-W··16	-015		EFFEGTIVE DATE				ľ	, occionistion ionica		ISSUE DATE
7. FO	OR SOLICITATION	D. NAME	1			b, TELEPHON	E NUMBER	(No sollect calls)	8, OFFER DU	E DATEA OCAL TIME
INFO	ORMATION CALL:	Michael	Fox			202~56	1-2550		ET	
9. ISSUED BY			CODE	HPOD	10. THIS ACOL	IISITION IS	XI UNR	ESTRICTED OR	SET ASIDE:	% FOR:
HPOD			_		- ⊓ SMALL BU	SINES\$	WOME WOSE	N-OWNED SMALL BUSI'S ELIGIBLE UNDER THE	NESS WOMEN-OWNER	1
		rotection Ac			☐ HUBZONE		HAMP	BUSINESS PROGRAM		lics:541620
		Clinton Buil	***		8USINESS		□ EDWOS	SB		
Mail Co		Avenue, N. W	٧.		VETERAN	-OWNED	_ ~~,		SIZ	ESTANDARD: \$15.0
	ton DC 2046	0			SMALL BL	Sounces				
	FOR FOR DESTINA- ESS BLOCK IS	12. DISCOUNT TERMS			[] 13a. THIS			13b. RATING	÷	
MARKED					RATE	D ORDER UN	DER	14. METHOD OF SOLE	CITATION	
☐ SEE SC				22-21-21		(15 GFR 700)			JIFB 🗆 R	
15, DELIVER TO)	CODE	OAR/OAP		10. ADMINISTE	RED BY			CODE ND	OD
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		rotection Ac	leuch					otection Ag		
	nnsylvania . de: 62101J	Avenue NW						Clinton Buil Evenue, N. W	-	
OAR/OAP					Mail Co	-		venue, N. n		
Washing	ton DC 2046	0			Washing	ton DC	20460	t .		
17a. CONTRACT	TOR/ CODE	038086125	FACILITY CODE		18s. PAYMENT	WILL BE MAD	E BY		CODE RT	P FMC
	· "									
AMEC ENV	VIRONMENT &	INFRASTRUCT	URE, INC.		RTP Fin	ance C	enter			
	ISA DWYER							otection Ag	ency	
		R ENVIRONMEN	T & I					(AA216-01)		
	DR WAY, STE LL PA 194221				109 TW					
DUOD DEL	TR TAIL	1900			Durham			ial/contrac	t s	
	(h)(4)		7		Darmam	NO ZII	11			
TELEPHONE NO	(b)(4)									
178, CHECK I	F REMITTANCE IS DIFFE	ERENT AND PUT SUCH AD	DRESS IN OFFER					OWN IN BLOCK 18# UNL	ESS BLOCK BEL	ow
19.			20,		IS CHEC	Z1.	SEE ADDEN	23.	·	24,
ITEM NO.			OF SUPPLIES/SE	RVICES		QUANTITY		UNIT PRICE		AMOUNT
	DUNS Numbe									
				ccordance wi hereby incor				j		
		ontract term			horares					
				for performa	nce to					
		s July 9, 20								
				n accordance						
				Work (4 page l and cost e		1				
				n the amount						
		erse and/or Attach A				i				
	ING AND APPROPRIA	ATION DATA					26.	TOTAL AWARD AMO	UNT (For Govt.	Use Only)
See sche								\$182,18	8.00	
27a, SOLICI	ITATION INCORPORA RACT/PURCHASE OR	TES BY REFERENCE .DER INCORPORATES	FAR 52.212-1, 52 BY REFERENCE	.212-4. FAR 52.212-3 / FAR 52.212-4. FAR 52	AND 52,212-5 A .212-5 IS ATTAC	REATTACH CHED	ED, ADD ADDENDA	ENDA	_	ARE NOT ATTACHED.
		TO SIGN THIS DOCU		· · · · · · · · · · · · · · · · · · ·		9. AWARD			— ARE _	ARE NOT ATTACHED.
		ONTRACTOR AGREES				DATED	. GOITH		ER ON SOLICIT	ATION (BLOCK 5),
		ERWISE IDENTIFIED		NY ADDITIONAL	- 1			ONS OR CHANGES		
	OF OFFEROR/CONTRA	MS AND CONDITIONS	oreuiribu.				the state of the s	AS TO ITEMS: NATURE OF CONTRACT	ING OFFICER)	
10	111	W			m	- 11	/)	T	, , , , , , , , , , , , , , , , ,	
	XIOON	-4			197/	Lbas	e¥ . 5	rax		
30b NAME AN	D TITLE OF SIGNER	(Type or print)	300	DATE SIGNED				ICER (Type or print)	3	1c. DATE SIGNED
		Project IVIa	nage.	6/24/17	Michael] C. Fo	X			06/29/2017
AUTHORIZED F	OR LOCAL REPROD	UCTION		7 7				STANDAR	D FORM 1449 (REV. 2/2012)

AUTHORIZED FOR LOCAL REPRODUCTION PREVIOUS EDITION IS NOT USABLE STANDARD FORM 1449 (REV. 2/2012) Prescribed by GSA - FAR (48 CFR) 53.212

S182,188.00. This is a Time-and-Materials (TAN) task order with a total colling price of \$182,188.00, which the Contractor is not authorized to exceed. The Contractor exceeds at its own risk. The total obligated/funded celling amount for this order is currently \$38,000.00. This order is incrementally funded as detailed in Attachment B summary of Amounts and Cellings and Attachment B six hereby incorporated (1 page). Contracting Officer's Representative (COR) for this task order: Macy Taylor, (202) 363-9183, Macy.Taylor@eps.gov Alternate COR: Gregory Beachley, (202) 343-9621, Beachley.Gregory@eps.gov The deriving of this order are for deverable, TCCOR: Taylor Macy Period of Performance: 07/09/2017 to 07/08/2018 ODOL NON-Routing Maintenance and Repairs of CASTNET Equipment Requisition No: PR-CAR-17-00915, PR-CAR-17-01192 Continued 320. CHARTY NOCOMENT IN ASSETS TO AND CONFERMENT THE CONTRACT, PROPERT AS NOTED. 322. CHARTY NO ROUGHD IN ASSETS TO AND CONFERMENT THE CONTRACT, PROPERT AS NOTED. 323. CHARTY NO ROUGHD IN ASSETS TO AND CONFERMENT THE CONTRACT, PROPERT AS NOTED. 324. CHARTY NO ROUGHD IN ASSETS TO AND CONFERMENT THE CONTRACT, PROPERT AS NOTED. 325. CHARTY NO ROUGHD IN ASSETS TO AND CONFERMENT THE CONTRACT, PROPERT AS NOTED. 326. MAURING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE 327. CHARTY THIS ACCOUNT IS CORRECT NUMBER TO ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE 328. SIGNATURE OF AUTHORIZED GOVERNMENT PROPERSENTATIVE 329. PROPERTY THIS ACCOUNTS CORRECT NUMBER TO CORRECT FOR THE CONTRACT PROPERSENTATIVE 329. SANCOUNT PROPERS THE CORRECT NUMBER TO CORRECT FOR THE CONTRACT PROPERSENTATIVE 320. AND PROPERSE THE CONTRACT PROPERSENTATIVE 321. PROPERTY THIS ACCOUNTS CORRECT NUMBER TO PROPERSENTATIVE 322. PROPERTY THIS ACCOUNTS CORRECT NUMBER TO PROPERSENTATIVE 323. CHARTY THIS ACCOUNTS CORRECT NUMBER TO PROPERSENTATIVE 324. PRO	19. ITEM NO.		20. SCHEDULE OF SUPPLIES	S/SERVICES			21. QUANTITY	22. UNIT	23. UNIT PI		24. AMOUNT
with a total ceiling price of \$182,188.00, which the Contractor is not authorized to exceed. The Contractor exceeds at its own risk. The total obligated/funded ceiling amount for this order is correctly \$38,000.00. This order is incrementally funded as detailed in Attachment 8 Summary of Amounts and Ceilings and Attachment 8 Summary of Amounts and Ceilings and Attachment 8 is brookly incorporated (1 page). Contracting Officer's Representative (COR) for this task order: Macy Taylor, (202) 343-9183, Macy.TaylorSepa.gov Alternate COR: Gregory Reachley, (202) 343-9621, Beachley.GregorySepa.gov The services of this order are for severable. TOCOR: Taylor Macy Period of Performance: 07/09/2017 to 07/08/2018 9001 Non-Routine Maintenance and Repairs of CASTNET Equipment Requisition No: FR-OAK-17-0091s, FR-OAK-17-01192 CONLINED	-	\$182,188.00).								
with a total ceiling price of \$182,188.00, which the Contractor is not authorized to exceed. The Contractor exceeds at its own risk. The total obligated/funded ceiling amount for this order is correctly \$38,000.00. This order is incrementally funded as detailed in Attachment 8 Summary of Amounts and Ceilings and Attachment 8 Summary of Amounts and Ceilings and Attachment 8 is brookly incorporated (1 page). Contracting Officer's Representative (COR) for this task order: Macy Taylor, (202) 343-9183, Macy.TaylorSepa.gov Alternate COR: Gregory Reachley, (202) 343-9621, Beachley.GregorySepa.gov The services of this order are for severable. TOCOR: Taylor Macy Period of Performance: 07/09/2017 to 07/08/2018 9001 Non-Routine Maintenance and Repairs of CASTNET Equipment Requisition No: FR-OAK-17-0091s, FR-OAK-17-01192 CONLINED		This is a	Fimo-and-Matorial	(TCM)	tack order						
the Contractor is not authorized to exceed. The Contractor exceeds at its own risk. The total obligated/funded ceiling amount for this order is currently \$38,000.00. This order is incrementally finded as detailed in Attachment B Summary of Amounts and Ceilings and Attachment B Summary of Amounts and Ceilings and Attachment B Summary of Amounts and Ceilings and Attachment B is bereby incorporated (1 page). Contracting Officer's Representative (COR) for this task order: Macy Taylor, (202) 243-9183, Macy.Taylor@epa.gov Alternate COR: Gregory Beachley, (202) 343-9621, Beachley, Gregory@epa.gov The services of this order are for severable. TOCCR: Taylor Macy Period of Performance: 07/09/2017 to 07/08/2018 3001 Non-Routine Maintenance and Repairs of CASTNET Equipment Equipment Equipment Equipment In Non-Routine Maintenance and Repairs of CASTNET Equipment Received NewForts Accepted AND COMPRISED THE CONTRACT, EXCEPT AS NOTED. 30. SUMANTIFY M COULDING THAN BEEN RECEIVED NEWFORTS ACCEPTED AND COMPRISED THE CONTRACT, EXCEPT AS NOTED. 30. SHEW NAMER ALTHORIZED GOVERNMENT REPRESENTATIVE 31. SHEW NAMER ALTHORIZED GOVERNMENT REPRESENTATIVE 32. SHARLOO AUTHORIZED GOVERNMENT REPRESENTATIVE 33. SHEW NAMER ALTHORIZED GOVERNMENT REPRESENTATIVE 34. RECEIVED BY PRIVATE 45. RECEIVED BY PRIVATE 46. RECEIVED BY PRIVATE 46. RECEIVED BY PRIVATE 47. REC											
Contractor exceeds at its own risk. The total obligated/funded ceiling abount for this order is incrementally funded as detailed in Attachment B Summary or Amounts and Ceilings and Attachment B Summary or Amounts and Ceilings and Attachment B is bereby incorporated (1 page). Contracting Officer's Representative (COR) for this task order: Macy Taylor, (202) 343-9183, Macy.Taylor&cpa.gov Alternate COR: Cregory Beachley, (202) 343-9183, Macy.Taylor&cpa.gov Alternate COR: Cregory Beachley, (202) 343-9621, Beachley.Gregory@eps.gov The services of this order are for severable. TOCOR: Taylor Macy Feriod of Ferformance: 07/09/2017 to 07/08/2018 00011 Non-Routine Maintenance and Repairs of CASYNET Equipment Requisition No: FR-OAR-17-00915, FR-OAR-17-01192 Continued 300 COMMITTY HOCUMBANIZED GOVERNMENT REPRESENTATIVE 301 SUMMARINE OF AUTHORIZED GOVERNMENT REPRESENTATIVE 302 DAME SUMMARINE OF AUTHORIZED GOVERNMENT REPRESENTATIVE 303 SUMMARINE OF AUTHORIZED GOVERNMENT REPRESENTATIVE 304 SELECTIVE NUMBER OF AUTHORIZED GOVERNMENT REPRESENTATIVE 305 SUMMARINE OF AUTHORIZED GOVERNMENT REPRESENTATIVE 306 SUMMARINE OF AUTHORIZED GOVERNMENT REPRESENTATIVE 307 STEEPHOUS (AMBRER OF AUTHORIZED GOVERNMENT REPRESENTATIVE 308 SUMMARINE OF AUTHORIZED GOVERNMENT REPRESENTATIVE 309 SUMMARINE OF AUTHORIZED GOVERNMENT REPRESENTATIVE 300 SUMMARINE OF AUTHORIZED GOVERNMENT REPRESENTATIVE 301 STEEPHOUS (AMBRER OF AUTHORIZED GOVERNMENT REPRESENTATIVE 302 SUPPLINEER OF AUTHORIZED GOVERNMENT REPRESENTATIVE 303 SUPPLINEER OF AUTHORIZED GOVERNMENT REPRESENTATIVE 304 RECEIVED BY 19449 405 RECEIVED BY 19449 405 RECEIVED BY 19449											
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NAME OF OFFEROR OR CONTRACTOR

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	Accounting Info:				
	17-18-C-58D5-102A45-2505-1758DC7086-001 BFY: 17				
	EFY: 18 Fund: C Budget Org: 58D5 Program (PRC):				
	102A45 Budget (BOC): 2505 DCN - Line ID:				
	1758DC7086-001				
	Funding Flag: Partial				
	Funded: \$3,000.00				
	Accounting Info: 17-18-C-58D5-102A45-2505-1758DC7068-001 BFY: 17				
	EFY: 18 Fund: C Budget Org: 58D5 Program (PRC):				
	102A45 Budget (BOC): 2505 DCN - Line ID:				
	1758DC7068-001				
	Funding Flag: Partial				
	Funded: \$35,000.00				

ATTACHMENT A

STATEMENT OF WORK

Title: Non-routine Maintenance and Repairs of

CASTNET Equipment

Contractor: AMEC Foster Wheeler, Inc.

Contract #: EP-W-16-015

Task Order #: 1006

Period of Performance: 7/9/2017 – 7/8/2018

EPA Key Personnel

Task Order Project Officer (TOPO):

Taylor Macy Clean Air Markets Division (OAP/OAR/CAMD) 1200 Pennsylvania Ave., NW Mail Code 6204M Washington, DC 20460 phone: (202) 343-9183

email: macy.taylor@epa.gov

Alternate TOPO:

Greg Beachley Clean Air Markets Division (OAP/OAR/CAMD) 1200 Pennsylvania Ave., NW Mail Code 6204M Washington, DC 20460 phone: (202) 343-9621

email: beachley.gregory@epa.gov

Contracting Officer (CO):

Michael Fox
Contracting Officer
Administrative Contract Service Center
1200 Pennsylvania Ave N.W.
Mail Code 3803R
Washington DC 20460

phone: (202) 564-2550 email: fox.michael@epa.gov

STATEMENT OF WORK

I. INTRODUCTION

The Clean Air Status and Trends Network (CASTNET) is a long-term environmental monitoring network that measures changes in ambient air quality and assesses atmospheric deposition over broad geographic regions of the U.S. (https://www.epa.gov/castnet). Operating since 1987, CASTNET has evolved into a robust regional monitoring program which currently consists of approximately 95 monitoring stations nationwide. The Environmental Protection Agency (EPA) coordinates the operation of the network in cooperation with numerous federal, tribal, state and local partners.

The primary monitoring objectives of CASTNET are to:

- Provide high quality data on atmospheric deposition, rural ground level ozone and other forms of atmospheric pollution;
- Support the primary and secondary ozone NAAQS and provide data on NAAQS compliance in rural areas;
- Monitor the status and trends in regional air quality and atmospheric deposition;
- Assess and report on geographic patterns and long-term, temporal trends in ambient air pollution and atmospheric deposition;
- Improve our understanding of PM and ozone formation;
- Validate and improve atmospheric models;
- Provide data for health-based research and epidemiology studies;
- Assess the effectiveness of EPA's emission reduction programs; and
- Support science and ecosystem studies.

CASTNET sites measure weekly average concentrations of sulfate (SO₄²⁻), nitrate (NO₃⁻), ammonium (NH₄⁺), sulfur dioxide (SO₂), nitric acid (HNO₃), chloride (Cl⁻) and the base cations (Na⁺, K⁺, Mg²⁺and Ca²⁺) using a 3-stage filter pack. In addition, each site may make ancillary measurements, including hourly ozone (O₃), hourly meteorology, ammonia (NH₃) gas using passive devices, and trace-level gases. Trace-level gas monitors include reactive oxidized nitrogen (NOy), nitric oxide (NO), sulfur dioxide (SO₂) and carbon monoxide (CO). CASTNET O₃, meteorological, and trace gas measurements follow the requirements in the Code of Federal Regulations (CFR) and EPA's Quality Assurance Handbook.

II. PURPOSE

The primary purpose of this task order is to perform non-routine maintenance on CASTNET equipment and infrastructure repairs due to unforeseen circumstances, including errors or faulty parts/equipment on the part of manufacturers, or the discontinuation of measurements at current monitoring sites. This work should be considered out of scope from the base operations task orders in place for Task Orders 0103 and 0104 (CASTNET Base Program and CASTNET Tribal

Base Program, respectively), which cover routine, expected maintenance. The TOPO may provide technical direction for performing specific tasks under this task order.

III. CONTRACT LEVEL STATEMENT OF WORK REFERENCE

The tasks to be performed under this task order are consistent with the activities authorized in Task 22 (Level of Effort) of the contract's Statement of Work.

IV. TECHNICAL DIRECTION

1. Prepare a Proposal

The Contractor shall prepare a Task Order Proposal and Cost Estimate in accordance with the terms and conditions of contract clauses B.2 entitled Fixed Rates for Services – Indefinite delivery/Indefinite quantity contract, using time and materials with a cost ceiling, and will submit it to EPA.

2. Perform Non-Routine Maintenance and Repairs

2.1 Repair of CASTNET shelters

The site shelter enclosures themselves are important to allow for proper operating conditions to be maintained to meet rigorous quality assurance standards for regulatory NAAQS measurements. Most of the shelters in the network have been in place for upwards of 10 years or more. They are subject to normal wear and tear and also exposed to harsh weather conditions that may cause significant damage over time. Cost analyses show that repair of these shelters is much more cost-effective than a replacement. The contractor will monitor shelters for repair needs and arrange and conduct the repairs when needed. The repairs will range from minor maintenance to major repairs such as roof or floor replacements. Repairs should be made in a way to minimize their impact on the sampling schedule.

2.2 Disposition of meteorological sensors and equipment

Over time, CASTNET equipment becomes unusable due to malfunctions, normal wear from routine use, or obsolete technology. The contractor is tasked with collecting that equipment and storing it until the point in which it is no longer of any potential use in the network. At that point, unusable equipment should be disposed of properly. The contractor shall oversee the development of a plan to dispose of unusable equipment. That plan should include an inventory of each piece of equipment with an EPA property decal prior to removal of the decal. Also, any hardware that may potentially contain any agency-sensitive information should be sanitized prior to its inclusion in the 'EPA-property disposition plan'. This is a continuation of work that began under Task Order 0006.

2.3 Nafion Dryer Installation

CASTNET ozone analyzers located in regions that experience humid weather tend to experience moisture issues causing slow responses during the QC checks and noisy 1-

minute data. With approval from EPA, the contractor shall purchase and install up to 40 nafion dryer lines at select CASTNET sites. The nafion dryer shall be placed in-line with the sampling line to dry the air as it enters the temperature controlled shelter. When appropriate the contractor should schedule the installation during a routine calibration trip.

2.4 Additional Maintenance, Repairs and Equipment Purchases

Additional technical direction will be given as other non-routine maintenance and repairs arise on CASTNET equipment and infrastructure. This task includes, but is not limited to aging ozone analyzers, flow controllers and data loggers.

V. DELIVERABLES

1. Technical Proposal & Cost Estimate

The contractor shall deliver a Task Order Proposal and cost estimate in accordance with clause B.7 Task Order Ordering Procedures of the contract.

2. Monthly Progress Report

The contractor shall prepare and submit a monthly progress report by the 15th of each month summarizing the progress made, issues encountered or expected, work planned for the next reporting period and costs. These reports shall comply with contract clauses F.1 Monthly Progress Report and F.5 Reports of Work. Reports shall be delivered electronically.

Additional deliverables may be required as part of future technical direction.

VI. SCHEDULE

The task order proposal shall be delivered within 10 days of issuance of this task order.

Distribution of Deliverables:

Addressee	Copies
EPA Contracting Officer (Mike Fox)	1
EPA Task Order Project Officer (Taylor Macy)	1
EPA Alternate TOPO (Gregory Beachley)	1

	Total Fund	ing/Obligation Amounts	
Period	Previous Amount	This Action	Amount
Base Period	1	\$38,000.00	\$38,000.00
Total	-	\$38,000.00	\$38,000.00

	Total Task Order Ceiling					
Period	Previous Amount	This Action	Amount			
Base Period	-	\$182,188.00	\$182,188.00			
Total	1	\$182,188.00	\$182,188.00			

AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CO	NTRACT	1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE	DATE 4	L 4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
001	See Bloc	k 16C	PR-OAR-17-01197	EP-W-16-015
6. ISSUED BY CODE	HPOD		7. ADMINISTERED BY (If other than Item 6)	CODE
HPOD US Environmental Protection William Jefferson Clinton Bu 1200 Pennsylvania Avenue, N. Mail Code: 3803R Washington DC 20460	uilding			<u></u>
8. NAME AND ADDRESS OF CONTRACTOR (No., street	t, county, State and I	ZIP Code) ,	9A. AMENDMENT OF SOLICITATION NO.	
AMEC ENVIRONMENT & INFRASTRUCATION: LISA DWYER AMEC FOSTER WHEELER ENVIRONM: 751 ARBOR WAY, STE 180 (b)(4) BLUE BELL PA 194221960	CTURE, IN	ic.	9B. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTRACT/ORD EP-W-16-015 1006 10B. DATED (SEE ITEM 13)	DER NO.
CODE 038086125	FACILITY COD	E	06/28/2017	
	11. THIS ITE	M ONLY APPLIES TO AN	 ENDMENTS OF SOLICITATIONS	
Offers must acknowledge receipt of this amendment p Items 8 and 15, and returning co separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF 0 THUE of this amendment you desire to change an offe reference to the solicitation and this amendment, and 12. ACCOUNTING AND APPROPRIATION DATA (if reg.	pies of the ameno e to the solicitation OFFERS PRIOR er already submitte is received prior t	dment; (b) By acknowledgen and amendment number TO THE HOUR AND DAT ed, such change may be to the opening hour and d	ing receipt of this amendment on each copy of the second o	the offer submitted ; or (c) By NT TO BE RECEIVED AT DE YOUR OFFER. If by Iram or letter makes
See Schedule	uirea)	Net	Increase:	\$40,000.00
Burghan Co. 1 - Wester Co. 10 and State	ODIFICATION OF	CONTRACTS/ORDERS	IT MODIFIES THE CONTRACT/ORDER NO. A	AS DESCRIBED IN ITEM 14.
A. THIS CHANGE ORDER IS ISSUED FORDER NO. IN ITEM 10A.	PURSUANT TO: (Specify authority) THE (CHANGES SET FORTH IN ITEM 14 ARE MADE	E IN THE CONTRACT
B. THE ABOVE NUMBERED CONTRAC appropriation date, etc.) SET FORTH			HE ADMINISTRATIVE CHANGES (such as chai DRITY OF FAR 43.103(b). THORITY OF:	nges in paying office,
D. OTHER (Specify type of modification	and authority)			
X FAR 52.232-22 Limita	ation of	Funds		
E. IMPORTANT: Contractor X is not.	is required to	sign this document and	return copies to the is	ssuing office.
14. DESCRIPTION OF AMENDMENT/MODIFICATION DUNS Number: 038086125	(Organized by UC	CF section headings, inclu	ding solicitation/contract subject matter where	feasible.)
The purpose of this modifica \$40,000.00 to Task Order# 10 currently \$78,000.00. This o Summary of Amounts and Ceili TOCOR: Taylor Macy LIST OF CHANGES: Reason for Modification : Fu Obligated Amount for this Mo	06. The trder is ings and A	cotal obligat incrementally Attachment B	ed/funded ceiling amount funded as detailed in A is hereby incorporated	t for this order is Attachment B
New Total Obligated Amount f				
Incremental Funded Amount ch		from		
Continued	- J ·	-,		
Except as provided herein, all terms and conditions of the	ne document refer	enced in Item 9 A or 10A	as heretofore changed, remains unchanged ar	nd in full force and effect.
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING	
			Michael C. Fox	1
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)	 e		(Signature of Contracting Officer)	0,,00,201,

 CONTINUATION SHEET
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 EP-W-16-015/1006/001
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NAME OF OFFEROR OR CONTRACTOR

EM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	\$38,000.00 to \$78,000.00				
	CHANGES FOR LINE ITEM NUMBER: 1				
	Obligated Amount for this modification: \$40,000.00				
	Incremental Funded Amount changed from \$38,000.00				
	to \$78,000.00				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	17-18-C-58D5-102A45-2505-1758DC7089-001				
	Beginning FiscalYear 17				
	Ending Fiscal Year 18				
	Fund (Appropriation) C				
	Budget Organization 58D5				
	Program (PRC) 102A45				
	Budget (BOC) 2505				
	Job # (Site/Project)				
	Cost Organization				
	DCN-LineID 1758DC7089-001				
	Quantity: 0				
	Amount: \$40,000.00				
	Percent: 21.95534				
	Subject To Funding: N				
	Payment Address:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	Duffiam NC 27/11				
	Payment:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	FOB: Destination				
	Period of Performance: 07/09/2017 to 07/08/2018				
	Ferrod of Ferrormance: 07/09/2017 to 07/08/2018				
		I	ı I		

Total Funding/Obligation Amounts						
Period	Previous Amount	This Action	Amount			
Base Period	\$38,000.00	\$40,000.00	\$78,000.00			
Total	\$38,000.00	\$40,000.00	\$78,000.00			

	Total	Task Order Ceiling	
Period	Previous Amount	This Action	Amount
Base Period	\$182,188.00	ť	\$182,188.00
Total	\$182,188.00	-	\$182,188.00

AMENDMENT OF SOLICITATION/MODIFICA	ATION OF CONTRACT		CONTRACT ID CODE	PAGE	OF PAGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQ	UISITION/PURCHASE REQ. NO.	5. PROJECT	NO. (If applicable)
P00002	See Block 16C	PR-0	AR-17-01685	EP-W-1	6-015
6. ISSUED BY CODE	HPOD	7. ADN	INISTERED BY (If other than Item 6)	CODE	
HPOD US Environmental Protection William Jefferson Clinton Bu 1200 Pennsylvania Avenue, N. Mail Code: 3803R	ilding				
Washington DC 20460					
8. NAME AND ADDRESS OF CONTRACTOR (No., street AMEC ENVIRONMENT & INFRASTRU(Attn: LISA DWYER AMEC FOSTER WHEELER ENVIRONM 751 ARBOR WAY, STE 180	CTURE, INC.	9B.	AMENDMENT OF SOLICITATION NO. DATED (SEE ITEM 11) . MODIFICATION OF CONTRACT/ORDEF	P NO	
(b)(4) BLUE BELL PA 194221960		X EF	-W-16-015 06	CNO.	
CODE 038086125	FACILITY CODE		6. DATED (SEE ITEM 13)		
ODE 038086125	11. THIS ITEM ONLY APPLIES		6/28/2017		
separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF (virtue of this amendment you desire to change an offe reference to the solicitation and this amendment, and	to the solicitation and amendment of DFFERS PRIOR TO THE HOUR AN r already submitted, such change n is received prior to the opening hou	numbers. FA ND DATE SPE may be made I	CIFIED MAY RESULT IN REJECTION OF ` oy telegram or letter, provided each telegrar	TO BE RECEIVE YOUR OFFER II	D AT by
12. ACCOUNTING AND APPROPRIATION DATA (If requises Schedule		Net Inc		\$33,905.3	
13. THIS ITEM ONLY APPLIES TO M	ODIFICATION OF CONTRACTS/OR	RDERS. IT MC	DIFIES THE CONTRACT/ORDER NO. AS	DESCRIBED IN I	ГЕМ 14.
CHECK ONE A. THIS CHANGE ORDER IS ISSUED FORDER NO. IN ITEM 10A.	PURSUANT TO: (Specify authority)	THE CHANG	ES SET FORTH IN ITEM 14 ARE MADE IN	THE CONTRAC	т
B. THE ABOVE NUMBERED CONTRAC appropriation date, etc.) SET FORTH			/IINISTRATIVE CHANGES (such as change OF FAR 43.103(b). - Y OF:	es in paying office	9,
D. OTHER (Specify type of modification	and authority)				
X FAR 52.232-22 Limita	tion of Funds				
E. IMPORTANT: Contractor X is not.	is required to sign this docume	nt and return	copies to the issu	uing office.	
14. DESCRIPTION OF AMENDMENT/MODIFICATION DUNS Number: 038086125	Organized by UCF section heading	gs, including s	olicitation/contract subject matter where fea	sible.)	
The purpose of this modifica \$33,905.14 to Task Order# 10 currently \$111,905.14. This Summary of Amounts and Ceili	06. The total obli order is increment	igated/: cally fo	Funded ceiling amount unded as detailed in A	for this Attachmen	order is
TOCOR: Taylor Macy LIST OF CHANGES:					
Reason for Modification : Fu					
Obligated Amount for this Mo					
New Total Obligated Amount f	or this Award: \$11	11,905.	L 4		
Continued					
Except as provided herein, all terms and conditions of the 15A. NAME AND TITLE OF SIGNER (Type or print)	e document referenced in Item 9 A		etofore changed, remains unchanged and in NAME AND TITLE OF CONTRACTING OF		
		Mic	hael C. Fox		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNE		UNITED STATES OF AMERICA	EL FETRONIC S:GNATURE	16C. DATE SIGNED
(Signature of person authorized to sign)			(Signature of Contracting Officer)	3.SATORE	10/27/2017

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 OF

 EP-W-16-015/1006/P00002
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NAME OF OFFEROR OR CONTRACTOR

TEM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	Incremental Funded Amount changed: from				
	\$78,000.00 to \$111,905.14				
	CHANGES FOR LINE ITEM NUMBER: 1				
	Obligated Amount for this modification: \$33,905.14				
	Incremental Funded Amount changed from \$78,000.00				
	to \$111,905.14				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	17-18-C-58D5-102A45-2505-1758DC7126-002				
	Beginning FiscalYear 17				
	Ending Fiscal Year 18				
	Fund (Appropriation) C				
	Budget Organization 58D5				
	Program (PRC) 102A45				
	Budget (BOC) 2505				
	Job # (Site/Project)				
	Cost Organization				
	DCN-LineID 1758DC7126-002				
	Amount: \$1,349.54				
	Subject To Funding: N				
	Payment Address:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	17-18-B-58D5-102A45-2505-1758DC7126-001				
	Beginning FiscalYear 17				
	Ending Fiscal Year 18 Fund (Appropriation) B				
	Budget Organization 58D5				
	Program (PRC) 102A45				
	Budget (BOC) 2505				
	Job # (Site/Project)				
	Cost Organization				
	DCN-LineID 1758DC7126-001				
	Amount: \$32,555.60				
	Subject To Funding: N				
	Payment Address:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
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NAME OF OFFEROR OR CONTRACTOR

TEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Durham NC 27711	1			
	Payment:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive www2.epa.gov/financial/contracts				
	Durham NC 27711				
	FOB: Destination				
	Period of Performance: 07/09/2017 to 07/08/2018				

Total Funding/Obligation Amounts					
Period	Previous Amount	This Action	Amount		
Base Period	\$78,000.00	\$33,905.14	\$111,905.14		
Total	\$78,000.00	\$33,905.14	\$111,905.14		

Total Task Order Ceiling						
Period	Previous Amount	This Action	Amount			
Base Period	\$182,188.00	Í	\$182,188.00			
Total	\$182,188.00	-	\$182,188.00			

AMENDMENT OF SOLICITATION/MODIFICA	RACT	CONTRACT ID CODE	PAGE	OF PAGES			
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REC	L QUISITION/PURCHASE REQ. NO.	5. PROJECT	NO. (If applicable)		
003	See Block 1	16C See	Schedule	EP-W-1	6-015		
6. ISSUED BY CODE	HPOD	7. ADI	MINISTERED BY (If other than Item 6)	CODE			
HPOD US Environmental Protection William Jefferson Clinton Bu 1200 Pennsylvania Avenue, N. Mail Code: 3803R	ilding						
Washington DC 20460			AMENDMENT OF COLICITATION NO				
8. NAME AND ADDRESS OF CONTRACTOR (No., street AMEC ENVIRONMENT & INFRASTRUC Attn: LISA DWYER AMEC FOSTER WHEELER ENVIRONM 751 ARBOR WAY, STE 180 (b)(4) BLUE BELL PA 194221960	CTURE, INC.	(X) 9B X 10 E1	AMENDMENT OF SOLICITATION NO. DATED (SEE ITEM 11) A. MODIFICATION OF CONTRACT/ORDER $2-W-16-015$ 0 0 6 B. DATED (SEE ITEM 13)	· NO.			
CODE 038086125	FACILITY CODE	0	6/28/2017				
117 115 115 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11. THIS ITEM ON		MENTS OF SOLICITATIONS				
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified. 12. ACCOUNTING AND APPROPRIATION DATA (If required) Net Increase: \$40,000.00 See Schedule 13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
B. THE ABOVE NUMBERED CONTRAC appropriation date, etc.) SET FORTH	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:						
D. OTHER (Specify type of modification	and authority)						
X FAR 52.232-22 Limita	tion of Fun	ds					
E. IMPORTANT: Contractor is not.	\square is required to sign	this document and return	copies to the issu	ing office.			
14. DESCRIPTION OF AMENDMENT/MODIFICATION DUNS Number: 038086125 The purpose of this modification this task order.					0,000.00		
This is a Time-and-Materials which the Contractor is not			1.57 - 57				
The total obligated/funded c from \$111,905.14 to \$151,905 Attachment B Summary of Amou page).	.14. This o	rder is incre	mentally funded as det	ailed in			
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)	16A.	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Michael C. Fox					
15B. CONTRACTOR/OFFEROR	150		UNITED STATES OF AMERICA		16C. DATE SIGNED		
(Signature of person authorized to sign)			(Signature of Contracting Officer)	EL FETRONIC S:GNATURE	03/22/2018		

 CONTINUATION SHEET
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 PAGE
 OF

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NAME OF OFFEROR OR CONTRACTOR

EM NO.	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	TOCOR: Taylor Macy				
	LIST OF CHANGES:				
	Reason for Modification : Funding Only Action				
	Obligated Amount for this Modification: \$40,000.00				
	New Total Obligated Amount for this Award:				
	\$151,905.14				
	Incremental Funded Amount changed: from \$111,905.14 to \$151,905.14				
	Obligated Amount for this modification: \$40,000.00				
	Incremental Funded Amount changed from				
	\$111,905.14 to \$151,905.14				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	18-E1-58D5-000A04-2505-1858DC8031-001				
	Beginning FiscalYear 18				
	Ending Fiscal Year				
	Fund (Appropriation) E1				
	Budget Organization 58D5				
	Program (PRC) 000A04				
	Budget (BOC) 2505				
	Job # (Site/Project)				
	Cost Organization				
	DCN-LineID 1858DC8031-001				
	Amount: \$5,000.00				
	Subject To Funding: N				
	Payment Address:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	18-19-C-58D5-000A45-2505-1858DC8028-001				
	Beginning FiscalYear 18				
	Ending Fiscal Year 19				
	Fund (Appropriation) C				
	Budget Organization 58D5				
	Program (PRC) 000A45				
	Budget (BOC) 2505				
	Job # (Site/Project)				
	Cost Organization				
	DCN-LineID 1858DC8028-001				
	Amount: \$35,000.00				
	Continued				
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 OF

 EP-W-16-015/1006/003
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NAME OF OFFEROR OR CONTRACTOR

ITEM NO.	SUPPLIES/SERVICES	QUANTITY UNI	T UNIT PRICE	AMOUNT
(A)	(B)	(C) (D)		(F)
	Subject To Funding: N	V		
	Payment Address:			
	RTP Finance Center			
	US Environmental Protection Agency			
	RTP-Finance Center (AA216-01)			
	109 TW Alexander Drive			
	www2.epa.gov/financial/contracts			
	Durham NC 27711			
	Duritant NC 2//11			
	Payment:			
	RTP Finance Center			
	US Environmental Protection Agency			
	RTP-Finance Center (AA216-01)			
	109 TW Alexander Drive			
	www2.epa.gov/financial/contracts			
	Durham NC 27711			
	FOB: Destination			
	Period of Performance: 07/09/2017 to 07/08/2018			
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Total Funding/Obligation Amounts										
Period	Previous Amount	This Action	Amount							
Base Period	\$111,905.14	\$40,000.00	\$151,905.14							
Total	\$111,905.14	\$40,000.00	\$151,905.14							

Total Task Order Ceiling										
Period	Previous Amount	This Action	Amount							
Base Period	\$182,188.00	Ĭ	\$182,188.00							
Total	\$182,188.00	-	\$182,188.00							

AMENDMENT OF SOLICITATION/MODIFICA	ATION OF CONTRAC	т	1. CONTRACT ID CODE	PAGE	OF PAGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REC	UISITION/PURCHASE REQ. NO.	5. PROJECT	NO. (If applicable)
004	See Block 160	PR-C	AR-18-00696	EP-W-1	6-015
6. ISSUED BY CODE	HPOD	7. ADI	MINISTERED BY (If other than Item 6)	CODE	
HPOD US Environmental Protection William Jefferson Clinton Bu 1200 Pennsylvania Avenue, N. Mail Code: 3803R Washington DC 20460	ilding				
8. NAME AND ADDRESS OF CONTRACTOR (No., street.	county State and 7IP Code)	Ι. ΙαΔ	AMENDMENT OF SOLICITATION NO.		
AMEC ENVIRONMENT & INFRASTRUCATION (No. street Attn: LISA DWYER AMEC FOSTER WHEELER ENVIRONMI 751 ARBOR WAY, STE 180 (b)(4) BLUE BELL PA 194221960	CTURE, INC.	98 x 10 1 1 1	DATED (SEE ITEM 11) A. MODIFICATION OF CONTRACT/ORDER $2-W-16-015$ B. DATED (SEE ITEM 13)	R NO.	
CODE 038086125	FACILITY CODE	0	6/28/2017		
	11. THIS ITEM ONLY	 Applies to amendi	IENTS OF SOLICITATIONS		
separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF C virtue of this amendment you desire to change an offer reference to the solicitation and this amendment, and 12. ACCOUNTING AND APPROPRIATION DATA (If requires See Schedule	oies of the amendment; (b) to the solicitation and ame OFFERS PRIOR TO THE Hard raiready submitted, such as received prior to the openined)	By acknowledging recentment numbers. FA HOUR AND DATE SPE change may be made ning hour and date spe Net Inc	ceipt of this amendment on each copy of the ALLURE OF YOUR ACKNOWLEDGEMENT CCIFIED MAY RESULT IN REJECTION OF Y by telegram or letter, provided each telegrar ecified.	offer submitted; TO BE RECEIVE YOUR OFFER If m or letter makes \$30,282.8	or (c) By D AT by
			SES SET FORTH IN ITEM 14 ARE MADE IN		
			MINISTRATIVE CHANGES (such as change OF FAR 43.103(b).		
C. THIS SUPPLEMENTAL AGREEMEN	IS ENTERED INTO PUR	SUANT TO AUTHORI	TY OF:		
D. OTHER (Specify type of modification	and authority)				
X FAR 52.232-22 Limita	tion of Funds				
E. IMPORTANT: Contractor 🗵 is not.	\square is required to sign this	document and return	copies to the issu	uing office.	
14. DESCRIPTION OF AMENDMENT/MODIFICATION (DUNS Number: 038086125 The purpose of this modificato this task order.		(VISINGALIER STATE CONTROLLER AND CO. CO.		5-6-6-7 (1970-1974)	0,282.86
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The total obligated/funded of from \$151,905.14 to \$182,188 Summary of Amounts and Ceili. TOCOR: Taylor Macy Continued Except as provided herein, all terms and conditions of the	.00. This ordongs and Attacl	er is now f hment B is :	ully-funded as detaile hereby incorporated (1	ed in Att. . page).	achment B
15A. NAME AND TITLE OF SIGNER (Type or print)			NAME AND TITLE OF CONTRACTING OF Phael C. Fox	FICER (Type or p	rint)
15B. CONTRACTOR/OFFEROR	15C. DAT		UNITED STATES OF AMERICA	EL FOTRONIC S:GNATURE	16C. DATE SIGNED
(Signature of person authorized to sign)			(Signature of Contracting Officer)		03/29/2018

 CONTINUATION SHEET
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 OF

 EP-W-16-015/1006/004
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NAME OF OFFEROR OR CONTRACTOR

ITEM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	LIST OF CHANGES:				
	Reason for Modification : Funding Only Action				
	Obligated Amount for this Modification: \$30,282.86				
	New Total Obligated Amount for this Award:				
	\$182,188.00				
	Incremental Funded Amount changed: from				
	\$151,905.14 to \$182,188.00				
	CHANGES FOR LINE ITEM NUMBER: 1				
	Obligated Amount for this modification: \$30,282.86				
	Incremental Funded Amount changed from				
	\$151,905.14 to \$182,188.00				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	18-19-C-58D5-000A45-2505-1858DC8043-001				
	Beginning FiscalYear 18				
	Ending Fiscal Year 19				
	Fund (Appropriation) C				
	Budget Organization 58D5				
	Program (PRC) 000A45				
	Budget (BOC) 2505				
	Job # (Site/Project)				
	Cost Organization				
	DCN-LineID 1858DC8043-001				
	Amount: \$30,282.86				
	Subject To Funding: N				
	Payment Address:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	Payment:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	FOB: Destination				
	Period of Performance: 07/09/2017 to 07/08/2018				

Total Funding/Obligation Amounts									
Period	Previous Amount	This Action	Amount						
Base Period	\$151,905.14	\$30,282.86	\$182,188.00						
Total	\$151,905.14	\$30,282.86	\$182,188.00						

Total Task Order Ceiling										
Period	Previous Amount	This Action	Amount							
Base Period	\$182,188.00	Í	\$182,188.00							
Total	\$182,188.00	-	\$182,188.00							

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2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DAT	E 4. R		5. PROJECT	NO. (If applicable)
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6. ISSUED BY CODE	HPOD	7. /	ADMINISTERED BY (If other than Item 6)	CODE	
HPOD US Environmental Protection William Jefferson Clinton B 1200 Pennsylvania Avenue, N Mail Code: 3803R Washington DC 20460	uilding			_	
8. NAME AND ADDRESS OF CONTRACTOR (No., street	et county State and 7IP C	Code)	9A. AMENDMENT OF SOLICITATION NO.		
AMEC ENVIRONMENT & INFRASTRUATION (NO. SINGUIS	CTURE, INC.	x (x)	9B. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTRACT/ORDER N EP-W-16-015 1006 10B. DATED (SEE ITEM 13)	NO.	
CODE 038086125	FACILITY CODE		06/28/2017		
	11. THIS ITEM O	NI Y APPLIES TO AMEN	DMENTS OF SOLICITATIONS		
separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an off reference to the solicitation and this amendment, and	opies of the amendmen e to the solicitation and OFFERS PRIOR TO 1 er already submitted, I is received prior to the	nt; (b) By acknowledging d amendment numbers. THE HOUR AND DATE S such change may be ma	receipt of this amendment on each copy of the of FAILURE OF YOUR ACKNOWLEDGEMENT TO PECIFIED MAY RESULT IN REJECTION OF YO de by telegram or letter, provided each telegram or	ffer submitted ; DBE RECEIVE DUR OFFER If	or (c) By D AT by
12. ACCOUNTING AND APPROPRIATION DATA (If red See Schedule		tions do do		\$45,441.	
13. THIS ITEM ONLY APPLIES TO I	MODIFICATION OF CO	ONTRACTS/ORDERS. IT	MODIFIES THE CONTRACT/ORDER NO. AS DE	SCRIBED IN I	TEM 14.
A. THIS CHANGE ORDER IS ISSUED ORDER NO. IN ITEM 10A.	PURSUANT TO: (Spe	cify authority) THE CHA	NGES SET FORTH IN ITEM 14 ARE MADE IN T	THE CONTRAC	CT .
B. THE ABOVE NUMBERED CONTRA appropriation date, etc.) SET FORT C. THIS SUPPLEMENTAL AGREEMEN			ADMINISTRATIVE CHANGES (such as changes TY OF FAR 43.103(b). ORITY OF:	in paying office	9,
D. OTHER (Specify type of modification					
X FAR 52.232-22 Limit.	47-14				
E. IMPORTANT: Contractor is not.		n this document and retu			
14. DESCRIPTION OF AMENDMENT/MODIFICATION DUNS Number: 038086125 The purpose of this modificato this task order.	- Common - Common (1990) - Common (1990) - Common - Commo	opening growth of the property of the Control of the Asset of the Asse	• Opening and the state of the		5,441.07
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15B. CONTRACTOR/OFFEROR	15C			FL FCTRONIC S:GNATURE	16C. DATE SIGNED
(Signature of person authorized to sign)			(Signature of Contracting Officer)	-	10/24/2010

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 REFERENCE NO. OF DOCUMENT BEING CONTINUED EP-W-16-015/1006/P00005
 PAGE EP-W-16-015/1006/P00005
 PAGE 2
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NAME OF OFFEROR OR CONTRACTOR

ITEM NO.	SUPPLIES/SERVICES	QUANTITY UNIT	UNIT PRICE	AMOUNT
(A)	(B)	(C) (D)	(E)	(F)
	CHANGES FOR LINE ITEM NUMBER: 1			
	Obligated Amount for this Modification:			
	-\$45,441.07			
	Incremental Funded Amount changed from			
	\$182,188.00 to \$136,746.93			
	FOB changed from Destination to			
	CHANGES FOR ACCOUNTING CODE:			
	18-19-C-58D5-000A45-2505-1858DC8028-001			
	Amount changed from \$35,000.00 to \$0.00			
	CHANGES FOR ACCOUNTING CODE:			
	18-19-C-58D5-000A45-2505-1858DC8043-001			
	Amount changed from \$30,282.86 to \$19,841.79			
	Payment:			
	<u> </u>			
	RTP Finance Center US Environmental Protection Agency			
	RTP-Finance Center (AA216-01)			
	109 TW Alexander Drive			
	www2.epa.gov/financial/contracts Durham NC 27711			
	Period of Performance: 07/09/2017 to 07/08/2018			
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AMEC ENVIRONMENT & INFRASTRUCTURE, INC. Attn: LISA DWYER AMEC FOSTER WHEELER ENVIRONMENT & I 751 ARBOR WAY, STE 180 BLUE BELL PA 194221960				RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts								
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19. ITEM NO,				20, OF SUPPLIES/SI	ERVICES		21. QUANTITY	22. UNIT	23. UNIT PRICE		24, AMOUNT	
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19. ITEM NO.		20. SCHEDULE OF SUPPLIES	S/SERVICE	ES		21. QUANTITY	22. UNIT	23. UNIT P		24. AMOUNT
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		achley, (202) 343-	9621.							
		regory@epa.gov								
	_	3 1, 1								
	Alternate (COR:								
	Melissa Puo	chalski, (202) 343	-9882	2,						
	Puchalski.	Melissa@epa.gov								
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0001	Procurement	t of Supplies and	Consi	umables for M	MARGA					
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32b. SIGNATU	RE OF AUTHORIZED	GOVERNMENT REPRESENTATIV	E	32c. DATE	32d. PRIN	ITED NAME	AND 1	TITLE OF AUTH	ORIZED G	OVERNMENT REPRESENTATIVE
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41b. SIGNATU	RE AND TITLE OF CE	RTIFYING OFFICER		41c. DATE	42b. R	ECEIVED AT	(Loca	ation)		
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	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE (OF
CONTINUATION SHEET	EP-W-16-015/1007	3	3

NAME OF OFFEROR OR CONTRACTOR

EM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT	UNIT PRICE (E)	AMOUNT (F)
	Accounting Info: 17-18-C-58D5-102A45-2505-1758DC7078-001 BFY: 17 EFY: 18 Fund: C Budget Org: 58D5 Program (PRC): 102A45 Budget (BOC): 2505 DCN - Line ID: 1758DC7078-001 Funding Flag: Partial Funded: \$6,000.00				
	runded. 70,000.00				

ATTACHEMENT A

Statement of Work

Title: Procurement of Supplies and Consumables for

MARGA Operation at CASTNET Sites

Contractor: AMEC Foster Wheeler, Inc.

Contract #: EP-W-16-015

Task Order #: 1007

Period of Performance: 7/9/2017 – 7/8/2018

EPA Key Personnel

Task Order Project Officer (TOPO):

Greg Beachley
Clean Air Markets Division (OAP/OAR/CAMD)
1200 Pennsylvania Ave., NW
Mail Code 6204M
Washington, DC 20460
phone: (202) 343-9621

email: beachley.gregory@epa.gov

Alternate Task Order Project Officer/Project Officer:

Melissa Puchalski Clean Air Markets Division (OAP/OAR/CAMD) 1200 Pennsylvania Ave., NW Mail Code 6204M Washington, DC 20460 phone: (202) 343-9882 email: puchalski.melissa@epa.gov

Contracting Officer (CO):

Michael Fox Contracting Officer Administrative Contract Service Center 1200 Pennsylvania Ave N.W. Mail Code 3803R Washington DC 20460

phone: (202) 564-2550 email: fox.michael@epa.gov

STATEMENT OF WORK

I. INTRODUCTION

The Clean Air Status and Trends Network (CASTNET) is a long-term environmental monitoring network that measures changes in ambient air quality and assesses atmospheric deposition over broad geographic regions of the U.S. (https://www.epa.gov/castnet). Operating since 1987, CASTNET has evolved into a robust regional monitoring program which currently consists of approximately 95 monitoring stations nationwide. The Environmental Protection Agency (EPA) coordinates the operation of the network in cooperation with numerous federal, tribal, state and local partners.

The primary monitoring objectives of CASTNET are to:

- Provide high quality data on atmospheric deposition, rural ground level ozone and other forms of atmospheric pollution;
- Support the primary and secondary ozone NAAQS and provide data on NAAQS compliance in rural areas;
- Monitor the status and trends in regional air quality and atmospheric deposition;
- Assess and report on geographic patterns and long-term, temporal trends in ambient air pollution and atmospheric deposition;
- Improve our understanding of PM and ozone formation;
- Validate and improve atmospheric models;
- Provide data for health-based research and epidemiology studies;
- Assess the effectiveness of EPA's emission reduction programs; and
- Support science and ecosystem studies.

CASTNET sites measure weekly average concentrations of sulfate (SO₄.²⁻), nitrate (NO₃.³), ammonium (NH₄.⁴), sulfur dioxide (SO₂), nitric acid (HNO₃), chloride (Cl.) and the base cations (Na⁺, K⁺, Mg²⁺and Ca²⁺) using a 3-stage filter pack. In addition, each site may make ancillary measurements, including hourly ozone (O₃), hourly meteorology, ammonia (NH₃) gas using passive devices, and trace-level gases. Trace-level gas monitors include reactive oxidized nitrogen (NOy), nitric oxide (NO), sulfur dioxide (SO₂) and carbon monoxide (CO). CASTNET O₃, meteorological, and trace gas measurements follow the requirements in the Code of Federal Regulations (CFR) and EPA's Quality Assurance Handbook.

II. PURPOSE

The primary purpose of this task is for the procurement of supplies and consumables that will be used for the operation and maintenance of the Monitor for Aerosols and Gases in Ambient Air (MARGA) systems operated in support of CASTNET. The key activities under this task will be to ship the existing MARGA units from the current operating locations to the Principle Investigators that will operate the MARGA units in FY2018. This task order is a continuation of

work that began under EP-W-09-028 Task Order 0435 and a follow-on to task order 0007 under this contract.

III. CONTRACT LEVEL STATEMENT OF WORK REFERENCE

The tasks to be performed under this task order are consistent with the activities authorized in Task 22 (Level of Effort) of the contract's Statement of Work.

IV. TECHNICAL DIRECTION

1. Prepare a Task Order Technical Proposal and Cost Estimate

The Contractor shall prepare a Task Order Proposal in accordance with the terms and conditions of contract clauses B.2 entitled Fixed Rates for Services – Indefinite delivery/Indefinite quantity contract, using time and materials with a cost ceiling, and will submit it to EPA.

2. Shipment of Instruments

The contractor shall assist TOPO in shipping all designated MARGA units including freight costs and necessary materials.

3. Field Set-up and Operations

The contractor shall procure and deliver supplies and consumables, as directed by the TOPO to support the setup, operation, and maintenance of the direct deposition instrument at a yet-to-be determined research site.

During the period of performance, on an approximately a monthly basis, the TOPO will provide AMEC Foster Wheeler with an itemized list of parts, supplies and consumables needed for the operation and calibration of the MARGAs. Potential vendors will be identified whenever possible. AMEC will deliver all parts, materials and supplies as directed by the TOPO.

Table 1 summarizes the types of materials and supplies required for Task Order 0107 and the estimated total cost.

Table 1 Materials and Supplies

Items	Total Cost*
MARGA replacement parts	\$2,000
Shipping (\$1,000 per unit)	\$1,000

NOTE: *-Not to be exceeded

4. Development of Standard Operating Procedure for MARGA field deployment and data analysis.

The contractor shall provide support for compiling information into a Standard Operating Procedure to aid in field set-up and operation of a MARGA instrument and for data handling and analysis methods for use in future studies.

V. DELIVERABLES

1. Task Order Technical Proposal and Cost Estimate

The contractor shall deliver a Task Order Proposal and Cost Estimate in accordance with clause B.7 Task Order Ordering Procedures of the contract and section IV.1 of this SOW

2. Monthly Progress Report

The contractor shall prepare and submit a monthly progress report by the 15th of each month summarizing the progress made, issues encountered or expected, work planned for the next reporting period and costs. These reports shall comply with contract clauses F.1 Monthly Progress Report and F.5 Reports of Work. Reports shall be delivered electronically.

Additional deliverables may be required as part of future technical direction.

VI. SCHEDULE

The task order proposal shall be delivered within 10 days of issuance of this task order.

Distribution of Deliverables:

Addressee	Copies
EPA Contracting Officer (Mike Fox)	1
EPA TOPO (Greg Beachley)	1
EPA Alternate TOPO/PO (Melissa Puchalski)	1

Revisions to SOW:

Total Funding/Obligation Amounts						
Period	Previous Amount	This Action	Amount			
Base Period	1	\$6,000.00	\$6,000.00			
Total	:=	\$6,000.00	\$6,000.00			

	Total Task Order Ceiling							
Period	Previous Amount	This Action	Amount					
Base Period	-	\$12,636.00	\$12,636.00					
Total	-	\$12,636.00	\$12,636.00					

AMENDMENT OF SOLICITATION/MODIFICA	ATION OF CONTRA	СТ	CONTRACT ID CODE	PAGE	PAGE OF PAGES		
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. R	EQUISITION/PURCHASE REQ. NO.	5. PROJECT	NO. (If applicable)		
P00001	See Block 16	DD.	-OAR-18-00038	EP-W-16	, ,,		
6. ISSUED BY CODE	HPOD		ADMINISTERED BY (If other than Item 6)	CODE			
HPOD US Environmental Protection William Jefferson Clinton Bu 1200 Pennsylvania Avenue, N.	ilding						
Mail Code: 3803R							
Washington DC 20460							
8. NAME AND ADDRESS OF CONTRACTOR (No., street AMEC ENVIRONMENT & INFRASTRUC Attn: LISA DWYER	CTURE, INC.	(x)	9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11)				
AMEC FOSTER WHEELER ENVIRONMI 751 ARBOR WAY, STE 180	ZNT & I						
(b)(4)		x	10A. MODIFICATION OF CONTRACT/ORDI EP-W-16-015	ER NO.			
BLUE BELL PA 194221960			1007				
	1		10B. DATED (SEE ITEM 13)				
CODE 038086125	FACILITY CODE		06/28/2017				
	11. THIS ITEM ONLY	APPLIES TO AMEN	DMENTS OF SOLICITATIONS				
THE PLACE DESIGNATED FOR THE RECEIPT OF C virtue of this amendment you desire to change an offer reference to the solicitation and this amendment, and 12. ACCOUNTING AND APPROPRIATION DATA (If required see Schedule	r already submitted , such is received prior to the op uired)	change may be ma ening hour and date Net In	de by telegram or letter, provided each telegr specified. 1Crease:	\$6,636.00			
			MODIFIES THE CONTRACT/ORDER NO. A: NGES SET FORTH IN ITEM 14 ARE MADE				
			ADMINISTRATIVE CHANGES (such as char TY OF FAR 43.103(b).				
C. THIS SUPPLEMENTAL AGREEMEN	T IS ENTERED INTO PUI	RSUANT TO AUTHO	PRITY OF:				
D. OTHER (Specify type of modification	and authority)						
X FAR 52.232-22 Limita		3					
	<u> </u>		annian to the in	anting office			
E. IMPORTANT: Contractor	is required to sign thi		n 14 A5	75			
The purpose of this modifica to Task Order# 1007. Task Or order is incrementally funde and Attachment B is hereby i	tion is to ok der# 1007 is d as detailed	oligate inc now fully- l in Attach	remental funding in the	ne amount 9 \$12,636.00	This		
LIST OF CHANGES: Reason for Modification : Fu Obligated Amount for this Mo New Total Obligated Amount f	dification: \$ or this Award	6,636.00 l: \$12,636.	00				
Incremental Funded Amount ch	anged: from	ı					
Continued							
Except as provided herein, all terms and conditions of the 15A. NAME AND TITLE OF SIGNER (Type or print)	e document referenced in		heretofore changed, remains unchanged an A. NAME AND TITLE OF CONTRACTING (
		М	ichael C. Fox				
15B. CONTRACTOR/OFFEROR	15C. DA		B. UNITED STATES OF AMERICA		16C. DATE SIGNED		
		[7	Wood Jan	ELECTRONIC S:GNATURE	11/03/2017		
(Signature of person authorized to sign)		_	(Signature of Contracting Officer)		11/00/2011		

NSN 7540-01-152-8070 Previous edition unusable STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243
 CONTINUATION SHEET
 REFERENCE NO. OF DOCUMENT BEING CONTINUED
 PAGE
 OF

 EP-W-16-015/1007/P00001
 2
 2

NAME OF OFFEROR OR CONTRACTOR

м no. Д)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	\$6,000.00 to \$12,636.00			20 00	
	CHANGES FOR LINE ITEM NUMBER: 1				
	Obligated Amount for this modification: \$6,636.00				
	Incremental Funded Amount changed from \$6,000.00				
	to \$12,636.00				
	10 \$12,636.00				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	18-19-C-58D5-000A45-2505-1858DC8005-001				
	Beginning FiscalYear 18				
	Ending Fiscal Year 19				
	Fund (Appropriation) C				
	Budget Organization 58D5				
	Program (PRC) 000A45				
	Budget (BOC) 2505				
	Job # (Site/Project)				
	Cost Organization				
	DCN-LineID 1858DC8005-001				
	Amount: \$6,636.00				
	Subject To Funding: N				
	Payment Address:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	Darman No 27,111				
	Payment:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (AA216-01)				
	109 TW Alexander Drive				
	www2.epa.gov/financial/contracts				
	Durham NC 27711				
	FOB: Destination Period of Performance: 07/09/2017 to 07/08/2018				
	Period of Performance: 07/09/2017 to 07/08/2018				
	1		1		

Total Funding/Obligation Amounts							
Period	Previous Amount	This Action	Amount				
Base Period	\$6,000.00	\$6,636.00	\$12,636.00				
Total	\$6,000.00	\$6,636.00	\$12,636.00				

Total Task Order Ceiling						
Period	Previous Amount	This Action	Amount			
Base Period		\$12,636.00	\$12,636.00			
Total	•	\$12,636.00	\$12,636.00			

AMENDMENT OF SOLICITATION/MODIFIC	CATION OF CO	ONTRACT		CONTRACT ID CODE	PAGE	OF PAGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE	DATE 4	4. RE0	L QUISITION/PURCHASE REQ. NO.	5. PROJECT	2 Γ NO. (If applicable)
P00002	See Bloo	ck 16C			EP-W-1	6-015
6. ISSUED BY CODI	E HPOD	,	7. AD	MINISTERED BY (If other than Item 6)	CODE	
HPOD US Environmental Protection William Jefferson Clinton E 1200 Pennsylvania Avenue, N Mail Code: 3803R	Building					
Washington DC 20460		7/D 0 - (-)	lo a	AMENDMENT OF COLICITATION NO		
8. NAME AND ADDRESS OF CONTRACTOR (No., street) AMEC ENVIRONMENT & INFRASTRY Attn: LISA DWYER AMEC FOSTER WHEELER ENVIRONS 751 ARBOR WAY, STE 180 (b)(4) BLUE BELL PA 194221960	UCTURE, IN	1	9B × 10 E:	A. MODIFICATION OF CONTRACT/ORDER NO $P-W-16-0.15$	0.	
CODE 038086125	FACILITY COD	E	-	06/28/2017		
O38086125				MENTS OF SOLICITATIONS		
☐ The above numbered solicitation is amended as set Offers must acknowledge receipt of this amendmen Items 8 and 15, and returning	t prior to the hour a copies of the amend ce to the solicitation FOFFERS PRIOR ffer already submitt	nd date specified in the so dment; (b) By acknowledgi n and amendment number TO THE HOUR AND DATI ed , such change may be i	olicitat ging re rs. F/ E SPI made	ion or as amended, by one of the following met ceipt of this amendment on each copy of the off AILURE OF YOUR ACKNOWLEDGEMENT TO ECIFIED MAY RESULT IN REJECTION OF YOU by telegram or letter, provided each telegram o	thods: (a) By of er submitted; BE RECEIVE UR OFFER I	or (c) By ED AT f by
12. ACCOUNTING AND APPROPRIATION DATA (If re See Schedule		1000011 10	1071		6,422.	09
13. THIS ITEM ONLY APPLIES TO	MODIFICATION O	F CONTRACTS/ORDERS.	. IT M	ODIFIES THE CONTRACT/ORDER NO. AS DES	SCRIBED IN I	TEM 14.
CHECK ONE A. THIS CHANGE ORDER IS ISSUED ORDER NO. IN ITEM 10A.	D PURSUANT TO:	(Specify authority) THE C	CHANG	GES SET FORTH IN ITEM 14 ARE MADE IN TH	HE CONTRAC	СТ
B. THE ABOVE NUMBERED CONTR appropriation date, etc.) SET FOR C. THIS SUPPLEMENTAL AGREEME				MINISTRATIVE CHANGES (such as changes in OF FAR 43.103(b). ITY OF:	n paying offic	е,
D. OTHER (Specify type of modification	on and authority)					
X FAR 52.232-22 Limit	ation of	Funds				
E. IMPORTANT: Contractor 🗵 is not.	is required to	sign this document and r	return	copies to the issuing	office.	
14. DESCRIPTION OF AMENDMENT/MODIFICATION DUNS Number: 038086125 The purpose of this modific						.09 from
this task order.						
TOCOR: Greg Beachley LIST OF CHANGES: Reason for Modification: Fu Obligated Amount for this M New Total Obligated Amount Incremental Funded Amount c	odification for this A	on: -\$6,422.0				
\$12,636.00 to \$6,213.91						
Continued						
Except as provided herein, all terms and conditions of 15A. NAME AND TITLE OF SIGNER (Type or print)	the document refe	renced in Item 9 A or 10A,				
IND. HANNE AND THEE OF SIGNER (1998 OF PHIN)				NAME AND TITLE OF CONTRACTING OFFICE Chael C. Fox	JER (Type or)	ornu)
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	16B.	UNITED STATES OF AMERICA	L FCTRONIC S:GNATURE	16C. DATE SIGNED
(Signature of person authorized to sign)				(Signature of Contracting Officer)		10/23/2018

 CONTINUATION SHEET
 REFERENCE NO. OF DOCUMENT BEING CONTINUED EP-W-16-015/1007/P00002
 PAGE EP-W-16-015/1007/P00002
 OF EP-W-16-015/1007/P00002

NAME OF OFFEROR OR CONTRACTOR

CHANGES FOR LINE ITEM NUMBER: 1 Obligated Amount for this Modification: -\$6,42 Incremental Funded Amount changed from \$12,636 to \$6,213.91 FOB changed from Destination to CHANGES FOR ACCOUNTING CODE: 18-19-C-58D5-000A45-2505-1858DC8005-001 Amount changed from \$6,636.00 to \$213.91 Payment:	22.09	(D)	(E)	(F)
Obligated Amount for this Modification: -\$6,42 Incremental Funded Amount changed from \$12,636 to \$6,213.91 FOB changed from Destination to CHANGES FOR ACCOUNTING CODE: 18-19-C-58D5-000A45-2505-1858DC8005-001 Amount changed from \$6,636.00 to \$213.91 Payment:				
CHANGES FOR ACCOUNTING CODE: 18-19-C-58D5-000A45-2505-1858DC8005-001 Amount changed from \$6,636.00 to \$213.91 Payment:				
18-19-C-58D5-000A45-2505-1858DC8005-001 Amount changed from \$6,636.00 to \$213.91 Payment:				
RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 07/09/2017 to 07/08/201	18			